

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1 – 4 (cancelled).

Claim 5 (currently amended): A system for filling a cryogenic fluid storage tank from a mobile tank comprising a pressurized-fluid supply pump that can be connected via a filling hose to a fluid inlet of the storage tank, wherein the mobile tank comprises a pump control unit including a pressure sensor that can be connected to a pressure tapping of the storage tank via a secondary hose, said pressure sensor adapted to measure a pressure inside the storage tank and supply the measured pressure to a programmable controller, said programmable controller being written with programmable logic allowing the pump to operate only when the pressure measured in the storage tank lies within a predetermined pressure range within one of three pressure ranges comprising three predetermined pressure sub-ranges, said programmable logic adapted to:

- i) compare the measured pressure to the three pressure ranges, each one of predetermined pressure sub-ranges each of which has a minimum pressure and a maximum pressure,
- ii) establish operation of the pump within one of said sub-pressure ranges, and
- iii) trigger a safety shutdown of the pump if the maximum pressure of the established subrange is reached within the storage tank.

Claim 6 (previously presented): The system of claim 5, wherein the control unit is connected to a secondary hose that can be connected selectively to the pressure tapping of the storage tank.

Claim 7 (previously presented): The system of claim 5, wherein the filling hose comprises a manually-disengageable non-return valve device.

Claim 8 (previously presented): The system of claim 5, wherein the cryogenic fluid is a gas from the air.

Claim 9 (cancelled)

Claim 10 (currently amended): The system of claim [[9]] 5, wherein a first pressure of said sub-ranges is from 0.5 to 5 bar, a second pressure of said sub-ranges is from 6 to 15 bar, and a third pressure of said sub-ranges is from 16 to 35 bar.

Claim [[10]] 11 (currently amended): The system of claim 5, wherein said programmable logic allows the pump to start up with a delivery pressure corresponding to a lower limit of said range and triggers a safety shutdown of said pump if the upper limit of said range is reached in said storage tank.

Claim [[11]] 12 (canceled)

Claim [[12]] 13 (currently amended): The system of claim 5, wherein said secondary hose is adapted such that said secondary hose cannot be kept under pressure when disconnected from the pressure tapping.